PROGRESS REPORT
For
VERSATILE, HIGH PRECISION STEREO POINT TRANSFER DEVICE

Period Covered:	October 1966
Dated:	15 November 1966
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Progress Report 552, 552A for October 1966

The following has been the work on these systems:

552

System rework and adjustment excluding measurement problems was completed early in October. System now is operational and has been used by customer. Several proposed methods for measurement improvement have been advanced to customer for evaluation. The nature of these approaches is to correct ways or position of encoder mounting as a function of carriage travel.

552A #102

This machine had been moved to customer's fifth floor shop and needed some set up and service attention. Work consisted of leveling, loosening film spool tailstocks, freeing jam up in loop forming mechanism, checked and adjusted scanning limits and probed into intermittent stopping or faltering of some scanning drive axes. The latter work was left with a conclusion of either a weak output of motor or intermittent increase in mechanical load in scanning drive. A proposal to attack these problems on a service basis was submitted to customer. Machine was left in operational condition although optics were not checked or adjusted.

552A #103

Trips were made in October to clean up remaining problems with the system and to leave equipment operational. Correction of halo around dot reticle, incomplete illumination in left channel in 30X - 128X range, dirt in field lenses were made. Difficulties with film scratching and scanning drive intermittency appears to be different than observed in 502A #102 in that a complete stop of effected axes is seen here. Pushing lens selector button or motor speed switch causes fault to disappear. Therefore, a conclusion of dirt in switch or relay contacts is made and a proposed shielding of these contacts and filtering of air has been made to customer.

552 #104

Work has advanced on image alternator, film drive and scanning drive checkout areas. Image alternator has been mechanically installed with wiring to be completed in November. Design and detailing of film drive to be completed in November with some fabrication releases already in shop. Circuit configuration has been designed with detailed component selection and test in progress. Completion of film drive wiring should be seen in December. Scanning drive checkout and adjustment is in progress to be completed in December. Final debugging is expected in late December.

Enclosure

1) Financial Report

what's the schedule on this?